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SCIENCE THERAPEUTICS [US/US]; 50 Cummings
Park, Woburn, MA 01801 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): UPTON, Todd, M.
[US/US]; 50 Hackensack Road, Chestnut Hill, MA 02467
(US). FLICKINGER, John [US/US]; 305 Ginger Road,
Millville, NJ 08332 (US).(74) Agent: VAN AMSTERDAM, John, R.; Wolf, Greenfield
& Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02210
(US).

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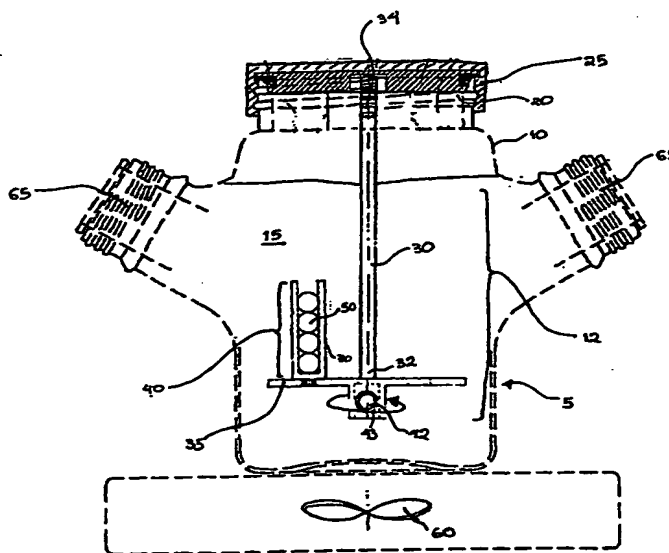
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(54) Title: CELL CULTURE SPINNER FLASKS



(57) Abstract: The present invention relates to culturing devices that are compact, utilize small amounts of cell culture media to establish and maintain cell cultures, and produce a large number of cells in a short period of time when compared to other cell culturing devices and techniques. Such devices are useful in the culture of all cell types, but are particularly useful in the culture of cells that are known in the art to be difficult to culture, including cells that lose one or more of their particular attributes/characteristics (e.g., pluripotentiality), or cells that are difficult to establish cultures of (e.g. primary cells), during culturing in traditional cell culture devices.

WO 01/21760 A3